



PTO/SP/08a/b (07-05)

Approved for use through 07/31/2008 OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

The Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/P(20)  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		<b>Complete if Known</b>			
		Application Number	09/955,923-Conf: #9393		
		Filing Date	September 19, 2001		
		First Named Inventor	Christian Huitema		
		Art Unit	2142		
		Examiner Name	D. B. Blair		
Sheet	1	of	4	Attorney Docket Number	30835/183230

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number Number-Kind Code* (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
DB		US-6,636,889	10-21-2003	Estrada et al.	
DB		US-20020097267	07-25-2002	Dinan et al.	
DB		US-20040111423	06-10-2004	Irving et al.	
DB		US-20040184445	09-23-2004	Burne	
DE		US-20040260771	12-23-2004	Gusler et al.	
DB		US-20020140730	09-14-2004	Linsey et al.	
DE		US-20050027805	02-03-2005	Aoki	
DB		US-20050198173	09-08-2005	Evans	
DB		US-6,728,753	04-24-2004	Parasnis, et al.	
DB		US-20040082351	04-29-2004	Westman	
DB		US-20050038856	02-17-2005	Krishnasamy et al.	
DB		US-6,155,840	12-05-2000	Sallette	
DB		US-20050102245	05-12-2005	Edlund, et al.	
DB		US-6,216,110	04-10-2001	Silverberg	
DB		US-20040117446	06-17-2004	Swanson	
DB		US-20050080859	04-14-2005	Lake	
DB		US-5,917,480	06-29-1999	Tafoya, et al.	
DB		US-20040172455	09-02-2004	Green et al.	
DE		US-20040249970	12-09-2004	Castro et al.	
DB		US-20040128350	04-01-2004	Topfi, et al.	
DB		US-20050102356	05-12-2005	Manion, et al.	
DB		US-20010053213	12-20-2001	Truong et al.	
DB		US-6,791,582	09-14-2004	Linsey et al.	
DB		US-20040088325	05-06-2004	Elder et al.	
DB		US-20020154172	10-24-2002	Linsey et al.	
DB		US-6,801,604	10-05-2004	Maes et al.	
DB		US-20030014485	03-28-2006	Banatwala	
DB		US-20040078436	04-22-2004	Demsky, et al.	
DB		US-20050009537	01-13-2005	Crocker et al.	
DB		US-20010035976	11-01-2001	Poon	
DB		US-6,968,179	11-22-2005	De Vries	
DB		US-20050235038	10-20-2005	Donatella et al.	
DE		US-20030126027	04-03-2003	Nelson, et al.	
DB		US-20030135629	07-17-2003	Sasaki et al.	
DE		US-6,363,352	03-26-2002	Dailey, et al.	
DB		US-20030217073	11-20-2003	Walther, et al.	
DB		US-20040172456	09-02-2004	Green et al.	
DB		US-20050066001	03-24-2005	Benco, et al.	
DE		US-20020184358	12-05-2002	Traversat et al.	
DB		US-20050171799	08-04-2005	Hull et al.	
DE		US-6,108,687	08-22-2000	Craig	
DB		US-20040122901	06-24-2004	Sylvain	
DE		US-20030036941	02-20-2003	Leska, et al.	
DB		US-20040122898	06-24-2004	Srinivasa	
DB		US-20040141005	07-22-2004	Banatwala et al.	

Examiner Signature	/Douglas Blair/	Date Considered	12/11/2006
--------------------	-----------------	-----------------	------------

BEST AVAILABLE COPY



PTO/SB/08a/b (07-05)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

### Complete if Known

Application Number	09/955,923-Conf. #9393
Filing Date	September 19, 2001
First Named Inventor	Christian Huitema
Art Unit	2142
Examiner Name	D. B. Blair
Attorney Docket Number	30835/183230

Sheet 2 of 4

DB	US-20040143603	07-22-2004	Kaufmann et al.
DB	US-20030055892	03-20-2003	Huitema et al.
DB	US-6,745,178	06-01-2004	Emens et al.
DB	US-6,237,025	05-22-2001	Lester F. Ludwig
DB	US-6,078,948	06-20-2000	Podgorny et al.

### FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.†	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>2</sup>
		Country Code <sup>2</sup> -Number <sup>3</sup> -Kind Code <sup>4</sup> (if known)				
DB		WO-200409550-A1	07-15-2004			
DB		JP-2002197246	11-14-2001			
DB		GB-2378268	02-05-2003	Gordon Ross		
DB		WO-0120450	03-22-2001	Manhart et al.		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. † CITE NO.: Those application(s) which are marked with an single asterisk (\*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(III)) because that application was filed after June 30, 2003 or is available in the IFW. ‡ Applicant's unique citation designation number (optional). <sup>2</sup> See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

### NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.†	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
DB		"At What Cost Pervasive? A Social Computing View of Mobile Computing Systems," IBM Research: Vol. 38, No. 4, 1999, Pervasive Computing (28 pgs.)	
DB		"Connecting and Extending Peer-to-Peer Networks," Lion Share White Paper, dated October, 2004, 32 pages, <a href="http://lionshare.its.psu.edu/main/info/docspresentation/LionshareWP.pdf">http://lionshare.its.psu.edu/main/info/docspresentation/LionshareWP.pdf</a> .	
DB		"Design Explorations," IBM Research: Social Computing Group (4 pgs.)	
DB		"IBM Lotus Instant Messaging and Web Conferencing," IBM Software - IBM Lotus Instant Messaging and Web Conferencing home page (3 pgs.)	
DB		"IBM Workplace Collaboration Services Overview Guide" dated January 2005, 2 pages. (Printed from <a href="ftp://ftp.lotus.com/pub/lotusweb/IGM_Workplace_collaboration_services_g224733301_118.pdf">ftp://ftp.lotus.com/pub/lotusweb/IGM_Workplace_collaboration_services_g224733301_118.pdf</a> on July 1, 2005).	
DB		"Presence and Awareness Services," Ramiro Liscano, Professor, SITE, University of Ottawa, 89 pages, <a href="http://www.site.uottawa.ca/~rliscano/tutorials/PresenceAwarenessServices.pdf">http://www.site.uottawa.ca/~rliscano/tutorials/PresenceAwarenessServices.pdf</a>	
DB		About Presentation Broadcasting, 3 pages printed July 1, 2005 from <a href="http://office.microsoft.com/en-us/assistance/HP052411931033.aspx">http://office.microsoft.com/en-us/assistance/HP052411931033.aspx</a> .	
DB		Bouvin, "Designing User Interfaces for Collaborative Web-Based Open Hypermedia," in Proceedings of the Eleventh ACM Conference on Hypertext and Hypermedia, pp. 230-231 (San Antonio, TX, 2000).	
DB		Boyer et al., "Virtual Social Clubs: Meeting Places for the Internet Community," IEEE International Conference on Multimedia Computing and Systems, pp. 297-301 (Florence, Italy, June 7-11, 1999).	
DB		Castro et al., "Secure Routing For Structured Peer-to-Peer Overlay Networks," Usenix, OSDI '02 Paper (OSDI '02 Tech Program Index) Pages 299-314 of the Proceedings, Fifth Symposium on Operating Systems Design and Implementation (OSDI 2002) 33 pages, <a href="http://www.usenix.org/events/osdi02/tech/full_papers/castro/castro.html/">http://www.usenix.org/events/osdi02/tech/full_papers/castro/castro.html/</a> .	

Examiner Signature	/Douglas Blair/	Date Considered	12/11/2006
--------------------	-----------------	-----------------	------------



PTO/SB/08a/b (07-05)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

### Complete if Known

Application Number	09/955,923-Conf. #9393
Filing Date	September 19, 2001
First Named Inventor	Christian Huitema
Art Unit	2142
Examiner Name	D. B. Blair
Attorney Docket Number	30835/183230

Sheet	3	of	4
-------	---	----	---

DB	Castro et al., "Topology-Aware Routing in Structured Peer-to-Peer Overlay Networks," Technical Report MSR-TR-2002-82, Microsoft Research, Microsoft Corporation, <a href="http://www.research.microsoft.com">http://www.research.microsoft.com</a>
DB	Cheng et al., "Hutchworld: Lessons Learned. A Collaborative Project: Fred Hutchinson Cancer Research Center & Microsoft Research," in Proceedings of Second International Conference on Virtual Worlds (VW 2000), pp. 1-2 (Paris, France, July 5-7, 2000). <a href="http://research.microsoft.com/scg/papers/hutchvw2000.pdf">http://research.microsoft.com/scg/papers/hutchvw2000.pdf</a> .
DB	Cheung, "Chatopus for Palm OS, Using IM Bots for Jabber," Chatopus-Palm OS Instant Messaging Client for XMPP/Jabber, Dated October 20, 2002 (Last updated: June 25, 2005), 6 pages, <a href="http://www.chatopus.com/articles/bots.html">http://www.chatopus.com/articles/bots.html</a> .
DB	Cugola et al., "Peer to Peer for Collaborative Applications," in Proceedings of the 22nd International Conference on Distributed Computing Systems Workshops (ICDCS'02), pp. 359-364 (Vienna, Austria, July 2-5, 2002).
DB	Dorhonceanu et al., "A Desktop Design for Synchronous Collaboration," in Proceedings of the Graphics Interface '99 (GI'99), pp. 27-35 (Kingston, Ontario, Canada, June 1999).
DB	Duhr, "Oberflächenelemente in interaktiven und kooperativen anwendungen," Universität Oldenburg, Department of Information Systems Thesis (August 2000).
DB	Ellison, C., et al., Simple Public Key Certificate, (Internet Draft 1999), at <a href="http://www.world.std.com/~cme/spki.txt">http://www.world.std.com/~cme/spki.txt</a> (August 6, 2001).
DB	Farnham et al., "Supporting Sociability in a Shared Browser," in Proceedings of Interact Conference (Tokyo, Japan, July 2001) <a href="http://research.microsoft.com/scg/papers/sharedbrowsinginteract.pdf">http://research.microsoft.com/scg/papers/sharedbrowsinginteract.pdf</a> , pp. 1-8.
DB	Garcia et al., "Extending a Collaborative Architecture to Support Emotional Awareness," EBAA '99 - Workshop on Emotion-Based Agent Architectures, pp. 46-52 (May 2, 1999)
DB	Greenberg et al., "Using a Room Metaphor to Ease Transitions in Groupware," University of Calgary, Department of Computer Science, Research Report 98/611/02, 31 pages (1998).
DB	Greenberg, "Collaborative Interfaces for the Web," in Human Factors and Web Development, (Forsythe et al., eds.) Chapter 18, pp. 241-253, LEA Press, (1997).
DB	Gutwin, "Workspace Awareness in Real-Time Distributed Groupware," The University of Calgary, Department of Computer Science, Ph.D. Thesis, 270 pages (December 1997).
DB	Handley et al., "SIP: Session Initiation Protocol," Network Working Group, Request for Comments 2543, pp. 1-153 (March 1999).
DB	Kindberg, "Mushroom: A Framework for Collaboration and Interaction Across the Internet," in Proceedings of the Fifth ERCIM Workshop on CSCW and the Web (St. Augustin, Germany, February 1996).
DB	Kollock et al., "Managing the Virtual Commons: Cooperation and Conflict in Computer Communities," in Computer-Mediated Communication: Linguistic, Social, and Cross-Cultural Perspectives, (Herring, ed.), pp. 109-128 (John Benjamins, Amsterdam, Netherlands, 1996) <a href="http://research.microsoft.com/scg/papers/KollockCommons.htm">http://research.microsoft.com/scg/papers/KollockCommons.htm</a> .
DB	Kollock, "The Economies of Online Cooperation: Gifts and Public Goods in Cyberspace," in Communities in Cyberspace, (Smith et al. eds.), pp. 1-17 (Routledge, London, UK, 1999) <a href="http://www.sscnet.ucla.edu/soc/faculty/kollock/papers/economies.htm">http://www.sscnet.ucla.edu/soc/faculty/kollock/papers/economies.htm</a> .
DB	Lee et al., "Supporting Multi-User, Multi-Applet Workspaces in CBE," in Proceedings of the ACM 1996 Conference on Computer Supported Cooperative Work, pp. 344-353 (Cambridge, MA, 1996).
DB	MeetingMaker - Meeting Maker printout, 2 pages printed on July 1, 2005 from <a href="http://www.meetingmaker.com/products/meetingmaker/default.cfm">http://www.meetingmaker.com/products/meetingmaker/default.cfm</a> .
DB	MeetingMaker - WebEvent Publish printout, 2 pages printed on July 1, 2005 from <a href="http://www.meetingmaker.com/products/webevent_publish/default.cfm">http://www.meetingmaker.com/products/webevent_publish/default.cfm</a> .
DB	QuickTime Broadcaster (3 pages) printed July 1, 2005 from <a href="http://www.apple.com/quicktime/broadcaster/">http://www.apple.com/quicktime/broadcaster/</a> .

Examiner Signature	/Douglas Blair/	Date Considered	12/11/2006
--------------------	-----------------	-----------------	------------



PTO/SB/08a/b (07-05)

Approved for use through 07/31/2008. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				Application Number	09/955,923-Conf. #9393
				Filing Date	September 19, 2001
				First Named Inventor	Christian Huitema
				Art Unit	2142
				Examiner Name	D. B. Blair
Sheet	4	of	4	Attorney Docket Number	30835/183230

DB	Schmidt et al., "A Generic System for Web-Based Group Interaction," in Proceedings of the Thirty-First Hawaii International Conference on System Sciences, Vol. I, pp. 545-554 (Kohala Coast, HI, January 6-9, 1998).	
DB	SlidesNow! (3 pages) printed July 1, 2005 from <a href="http://www.slidesnow.com/about.shtml">http://www.slidesnow.com/about.shtml</a> .	
DB	Smith et al., "The Social Life of Small Graphical Chat Spaces," in Proceedings of the SIGCHI Conference on Human Factors in Computing Systems, pp. 462-469 (The Hague, Netherlands, March 2000) <a href="http://research.microsoft.com/scg/papers/vchatchi2000.pdf">http://research.microsoft.com/scg/papers/vchatchi2000.pdf</a> .	
DB	Smith et al., "What Do People Do in Virtual Worlds? An Analysis of V-Chat Log File Data," Microsoft Corporation Report (April 1, 1998) <a href="http://research.microsoft.com/scg/papers/kollockvpchat.pdf">http://research.microsoft.com/scg/papers/kollockvpchat.pdf</a> .	
DB	The Best Way to Centrally Deploy Applications and Provide On-Demand Access, 2 pages printed July 1, 2005 from <a href="http://www.citrix.com/English/ps2/products/product.asp?contentID=186">http://www.citrix.com/English/ps2/products/product.asp?contentID=186</a>	
DB	Zhao, et al., "A Web Based Multi-Display Presentation System," 2 pages printed July 1, 2005 from <a href="http://www.fxpal.com/publications/FXPAL-PR-04-303.pdf">http://www.fxpal.com/publications/FXPAL-PR-04-303.pdf</a> .	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature	/Douglas Blair/	Date Considered	12/11/2006
-----------------------	-----------------	--------------------	------------